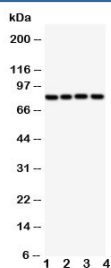


## SP4 Antibody (R30964)

Catalog No.	Formulation	Size
R30964	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q02446
<b>Localization</b>	Nuclear
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This SP4 antibody is available for research use only.



Western blot testing of SP4 antibody and Lane 1: rat spleen; and human samples 2: SGC; 3: HeLa; 4: Jurkat; 5: A549 cell lysate. Predicted/observed molecular weight ~82kDa.

## Description

Transcription factor Sp4, also known as SPR-1, and HF1B, is a protein that in humans is encoded by the SP4 gene. It is a multigene family of SP proteins. Northern blot analysis shows that it is abundantly expressed as a 7.5-kb message in brain, but barely detectable in other human cell lines. It is an activator protein like SP1. However, in contrast to SP1, Sp4 is not able to act synergistically through adjacent binding sites.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Transcription factor SP4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the N-terminus of human Transcription factor Sp4 (ENNNKKPKTSGSQDSQ) was used as the immunogen for this SP4 antibody (100% rat homology).

## Storage

After reconstitution, the SP4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.